FY 2003 Distributed Centers Project Selections

The Deputy Under Secretary of Defense (Science & Technology) has announced selection of four high performance computing (HPC) projects to receive funding from the Department of Defense (DoD) High Performance Computing Modernization Program (HPCMP). The centers supporting the projects to receive awards are: The Fleet Numerical Meteorology and Oceanography Center, White Sands Missile Range, the Aeronautical Systems Center Simulation and Analysis Facility and the Naval Air Warfare Center Aircraft Division for a joint project, and the Maui High Performance Computing Center.

These projects will be funded during FY 2003 to procure HPC systems. The systems will be applied to local, mission-specific, and technical challenges identified in each center's proposal. The four project awards announced today are indicative of the breadth of support to Department of Defense programs provided by the High Performance Computing Modernization Program's distributed centers initiative.

The Fleet Numerical Meteorology and Oceanography Center will augment the high performance computing (HPC) resources of the Coupled Ocean/Atmosphere Mesoscale Prediction System (COAMPS™), one of its sophisticated global and regional meteorological and oceanographic models, to be run in real-time at horizontal spatial resolutions of a few km in support of both research and development and rapid transition to operations.

The Aeronautical Systems Center Simulation and Analysis Facility and the Naval Air Warfare Center Aircraft Division will use the high performance computing (HPC) resources acquired with the award for computational improvements which will allow both sites to improve their ability to support the Joint Strike Fighter weapon system by increasing real-time and non real-time processing capabilities and real-time high fidelity representations of virtual platforms/systems immersed in a realistic synthetic battlespace.

The White Sands Missile Range will use high performance computing (HPC) resources to provide real–time test and evaluation data images of sufficient size and resolution to determine "hit point" information in high altitude (including exo-atmospheric) missile testing scenarios.

The Maui High Performance Computing Center will augment it's existing high performance computing (HPC) capability to increase its ability to support a growing High Performance Computing Modernization Program community by extending its leadership in large-scale HPC.

The DoD High Performance Computing Modernization Program was established to enable the United States to maintain its technological supremacy over its adversaries in weapon systems design and foster the flow of this technology into warfighting support systems. The four HPC projects announced today are expected to significantly contribute to DoD's technological goals.